

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Takashi ISHIDOSHIRO

Attorney Docket No.: MES1P074

Application No.: 10/615,286

Examiner: Unassigned

Filing Date: July 7, 2003

Group: Unassigned

Title: ENCRYPTION KEY SETTING SYSTEM,  
ACCESS POINT, ENCRYPTION KEY SETTING  
METHOD, AND AUTHENTICATION CODE  
SETTING SYSTEM

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S.  
Postal Service with sufficient postage as first-class mail on October 14, 2003  
in an envelope addressed to the Commissioner for Patents, P.O. Box 1450  
Alexandria, VA 22313-1450.

Signed:   
Lara M. Nelson

COMMUNICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The above-referenced application claims priority of Provisional Application No. 60/419,488, which was originally filed on October 18, 2002 in Japanese. Enclosed herewith is the English translation of that Provisional. Also enclosed is a Certification of Translation. Please enter these documents in the file.

Should the Examiner have any questions concerning this matter, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLP

  
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Attorney Docket No. MES1P074P

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: : GROUP:  
Takashi Ishidoshiro : APPLICATION PROCESSING  
AND CORRESPONDENCE BRANCH

SERIAL NUMBER: 60/419,488

FILED: October 18, 2002 :

TITLE: WIRELESS LAN SYSTEM

CERTIFICATION OF TRANSLATION

Honorable Commissioner of Patents & Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I, Takashi Shimoide, a translator with the firm of MEISEI INTERNATIONAL PATENT FIRM with a business address of Mitsui-Sumitomo Bank Building 7F, 18-19, Nishiki 2-chome, Naka-ku, Nagoya, 460-0003 Japan,

declare:

1. that I am very familiar with both the Japanese and English languages;
2. that I translated the attached document identified as corresponding to the United States Patent application, Serial Number 60/419,488, filed October 18, 2002, entitled WIRELESS LAN SYSTEM from Japanese to English;
3. that the attached English translation is a true and correct translation of the document described above to the best of my knowledge and belief; and
4. that all statements made of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 USC 1001, and that such false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: October 10, 2003

By: \_\_\_\_\_

  
Takashi Shimoide



Case 8 A System that Allows a New STA (PC) to be Added Easily  
into a Security Environment of a Wireless LAN System

WEP encryption or MAC address restriction is conventionally used  
5 to establish security in a Wireless LAN system. However, an  
encryption key (or a WEP key) needs to be set for a new PC when  
the WEP encryption is used, and a MAC address of a new PC needs  
to be registered in an AP when the MAC address restriction is used.  
Such procedures are manually done in general, which cause some  
10 problems in the process of setting a new PC.

The present invention reads a MAC address of a specific PC into  
an AP and delivers a WEB key to the PC both in an automatic way.  
This facilitates introduction and registration of a new PC into  
15 a secure environment.

The PC must be installed with some sort of driver or utility in  
order to use the wireless LAN system. The utility functions to  
send a WEP key delivery request to the AP and to set the received  
20 WEP key for itself.

At the AP, a PC registration button is disposed on a front panel  
or on a place that is easily accessible in a physical way. The  
AP accepts the WEP key delivery request from the AP when the PC  
25 registration button is pressed (i.e. while being pressed; pressed  
once and until the MAC address is registered; or pressed once and  
until pressed for another time).

When the WEP key delivery request is sent from the utility of the  
30 PC while the PC registration button remains effective, the AP  
stores the MAC address of the PC if necessary (it depends on the

configuration), and the PC sets the received WEP key for itself to make itself capable of accessing the secure environment. The PC sends the WEP key, which is set for itself, to other PCs.

5

Case 8.

